



*IPW*  
PATENT  
Attorney Docket No. IOGEN-08729

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I In re Application of: Eakle, *et al.*

Serial No.: 10/764,201

Group No.: 1633

Filed: 1/23/2004

Examiner: Leavitt

Entitled:

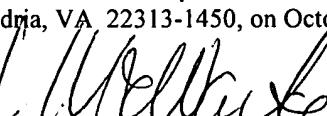
**transgenic Animals Expressing Transdominant Negative Retroviral  
Nucleic Acids and Proteins**

**INFORMATION DISCLOSURE  
STATEMENT TRANSMITTAL**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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By:   
Mary Ellen Waite

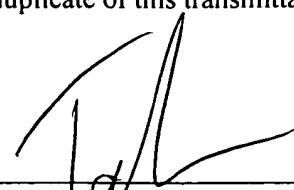
Sir or Madam:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: October 25, 2006



Tanya A. Arenson  
Registration No. 47,391

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101 Howard Street, Suite 305  
San Francisco, California 94105  
608/218-6900



**PATENT**  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Eakle, et al.**  
Serial No.: **10/764,201** Group No.: **1633**  
Filed: **1/23/2004** Examiner: **Leavitt**  
Entitled: **Transgenic Animals Expressing Transdominant Negative Retroviral Nucleic Acids and Proteins**

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
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<b>CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)</b>	
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Date: <u>October 25, 2006</u>	By:  <u>Mary Ellen Waite</u>

Sir or Madam:

The citations listed below may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

- U.S. Patent No. 5,871,958
- U.S. Patent No. 6,162,898
- EP 0406557
- Pollari, F.L., et al., "Effects of bovine leukemia virus infection on production and reproduction in dairy cattle," Can. J. Vet. Res., 56(4):289-95 (1992)

- Hidaka et al., "Post-transcriptional regulator (rex) of HTLV-1 initiates expression of viral structural proteins but suppresses expression of regulatory proteins," *EMBO J* 7:519 (1988)
- Malim, M.H., et al., "Immunodeficiency virus rev trans-activator modulates the expression of the viral regulatory genes," *Nature*, 335:181 (1988)
- Rimsky, L., et al., "Functional replacement of the HIV-1 rev protein by the HTLV-1 rex protein," *Nature*, 335:738 (1988)
- Green, P.L., et al., *The Retroviridae*, p. 227-311, vol. 3, Eds. Levy, J.A., Plenum Press, New York, N.Y., (1994)
- Ghysdael, K., et al., "Bovine leukemia virus," *Current Topics in Microbiology and Immunology* 112:1 (1984) Gree, P.L., et al., *The Retroviridae*, p. 227-311, vol. 3, Eds. Levy, J.A., Plenum Press, New York, N.Y., (1994)
- Orlik, O., and Splitter G.A., "Progression to persistent lymphocytosis and tumor development in bovine leukemia virus (BLV)-infected cattle correlates with impaired proliferation of CD4+ T cells in response to gag- and env-encoded BLV proteins," *J. Virol.*, 70(11):7584 (1996)
- Elovaara, I., et al., "High human T cell lymphotropic virus type 1 (HTLV-1)-specific precursor cytotoxic T lymphocyte frequencies in patients with HTLV-1-associated neurological disease," *J. Exp. Med.*, 177:1567 (1993)
- Lassauzet, ML, et al., "Factors associated with transmission of bovine leukemia virus by contact in cows on a California dairy," *Amer. J. Epidemiol.*, 133:164-76 (1991)
- Lassauzet, M.L., et al., "Effect of brucellosis vaccination and dehorning on transmission of bovine leukemia virus in heifers on a California dairy," *Can. J. Vet. Res.* 54:184-189 (1990)
- Buxton, B.A., and Schultz, R.D., "Factors affecting the infectivity of lymphocytes from cattle with bovine leukosis virus," *Can. J. Comp. Med.*, 48(4):365-369 (1984)
- Herskowitz, I., *Nature* 329:317 (1987)

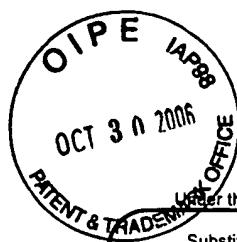
- Hope, I.A., and Struhl, K., "Functional dissection of a eukaryotic transcriptional activator protein, GCN4 of yeast," *Cell* 46:885 (1986)
- Gentz, R., et al., "Parallel association of Fos and Jun leucine zippers juxtaposes DNA binding domains," *Science* 243:1695 (1989)
- Triezenberg, S.J., et al., *Gen. & Devel.*, 2:718 (1988)
- Friedman A.D., et al., "Functional dissection of VP16, the trans-activator of herpes simplex virus immediate early gene expression," *Nature*, 335:452 (1988)
- Wachsman, V., et al., "HTLV x gene mutants exhibit novel transcriptional regulatory phenotypes," *Science* 235:674 (1987)
- Green, M., et al., "Mutational analysis of HIV-1 Tat minimal domain peptides: identification of trans-dominant mutants that suppress HIV-LTR-driven gene expression," *Cell* 58:215 (1989)
- Trono, D., et al., "HIV-1 Gag mutants can dominantly interfere with the replication of the wild-type virus," *Cell* 59:113 (1989)
- Orlik, O., and Splitter G.A., "Optimization of lymphocyte proliferation assay for cells with high spontaneous proliferation in vitro: CD4+ T cell proliferation in bovine leukemia virus infected animals with persistent lymphocytosis," *J. Immunol. Methods* 199:159 (1996)
- Kimata, J.J., et al., "The mitogenic activity of human T-cell leukemia virus type I is T-cell associated and requires the CD2/LFA-3 activation pathway," *J. Virol.*, 67:3134 (1993)
- Boris-Lawrie et al., "In vivo study of genetically simplified bovine leukemia virus derivatives that lack tax and rex," *J Virol* 71(2):1514-20 (1997)
- Gatei M.H., et al., "Experimental infection of sheep with bovine leukemia virus: infectivity of blood, nasal and saliva secretions," *Zentralbl Veterinarmed, (B)* 36(9):652-60 (1989)

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: 10/25/06



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PTO/SB/08A (08-03)

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 4

**Complete if Known**

Application Number	10/764,201
Filing Date	1/23/2004
First Named Inventor	Eakle, et al.
Art Unit	1633
Examiner Name	Leavitt
Attorney Docket Number	IOGEN-08729

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

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Sheet	2	of	4	Attorney Docket Number
				IOGEN-08729

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	4	Pollari, F.L., et al., "Effects of bovine leukemia virus infection on production and reproduction in dairy cattle," <i>Can. J. Vet. Res.</i> , 56(4):289-95 (1992)		
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